

**PAT-NO:** JP405186813A

**DOCUMENT-IDENTIFIER:** JP 05186813 A

**TITLE:** PRODUCTION OF HIGH  
CLEANLINESS AND EXTREMELY  
LOW CARBON STEEL

**PUBN-DATE:** July 27, 1993

**INVENTOR-INFORMATION:**

<b>NAME</b>	<b>COUNTRY</b>
HIRAMA, JUN	
FUJIMOTO, TAKASHI	
OKIMURA, TOSHIAKI	
NAKAJIMA, YOSHIO	

**ASSIGNEE-INFORMATION:**

<b>NAME</b>	<b>COUNTRY</b>
NISSHIN STEEL CO LTD	N/A

**APPL-NO:** JP03047361

**APPL-DATE:** February 21, 1991

**INT-CL (IPC):** C21C007/00 , C21C007/04 ,  
C21C007/06 , C21C007/068

**US-CL-CURRENT:** 75/508

**ABSTRACT:**

**PURPOSE:** To provide a producing method of high purity and high cleanliness steel.

CONSTITUTION: Metallic magnesium or magnesium alloy is added into molten steel decarburized under reduced pressure by a vacuum degassing apparatus and thereafter, further the reduced pressure treatment is executed. The added magnesium is reacted with oxygen in the molten steel to make magnesia and the magnesia is dispersed into the molten steel, and by executing the reduced pressure treatment after that, the decarburization is executed by the oxygen in the magnesia as the supplying source. By this method, the high purity and high cleanliness steel is obtd.

COPYRIGHT: (C)1993,JPO&Japio